
ABSTRACT OF THE INVENTION

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C 5 The rotation of a pneumatic tire is monitored by a self
powered tire revolution counter. A piezoelectric ("piezo")
element is mounted in the tire in a manner so as to be subjected
to periodic mechanical stresses as the tire rotates and to provide
periodic pulses in response thereto. The output of the piezo
element is utilized by revolution counting circuitry to count
rotations of the tire, as well as by power circuitry to power the
10 revolution counting circuitry.
